

A METHOD OF SPARING MEMORY DEVICES CONTAINING PINNED MEMORY

ABSTRACT OF THE DISCLOSURE

5 Embodiments of the present invention may provide a method of sparing and
removing pinned or interleaved memory. When a memory device failure is predicted in a
device containing pinned memory, a request may be made for the de-allocation of a freeable
memory range **304**. When the request for de-allocating the freeable range of memory is
accepted **306**, the memory data from the failing memory device may be copied to one or
10 more de-allocated memory devices **308**. Requests directed to the failing memory device
may be re-routed to the replacement memory device(s) **310** and the memory without the
deactivated memory device **312** may be re-interleaved.